

Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P24122Serial No.  
10/700,496

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

Applicant  
Ken HIRUNUMA et al.Filing Date  
November 5, 2003Group  
2872

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JP</i>	2001 / 0 0 2 8 4 9 8	10/11/01	HAGA et al.			
<i>JP</i>	4 0 6 7 0 2 7	01/02/78	YAMAZAKI			
<i>JP</i>	4 2 6 2 9 8 8	04/21/81	ISHIBAI et al.			
<i>JP</i>	4 4 0 0 0 6 5	08/23/83	NAGLER			
<i>JP</i>	5 5 8 3 6 9 2	12/10/96	FUNATSU			
<i>JP</i>	5 7 2 9 3 9 0	03/17/98	ABE			
<i>JP</i>	5 9 2 6 6 5 7	07/20/99	HASUSHITA			
<i>JP</i>	6 0 8 8 0 5 3	07/11/00	HAMMACK et al.			
<i>JP</i>	2003 / 0 0 7 2 5 6 7	04/17/03	ABE			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>JP</i> 3 6 - 1 2 3 8 7	08/02/61	JAPAN			X
<i>JP</i> 5 7 - 7 9 9 0 9	05/19/82	JAPAN			X
<i>JP</i> 6 2 - 9 6 9 1 9	05/06/87	JAPAN			X
<i>JP</i> 5 - 2 1 3 2	01/08/93	JAPAN			X
<i>JP</i> 6 - 2 3 3 0	01/14/94	JAPAN			X
<i>JP</i> 7 - 2 8 3 9 7 8	02/07/95	JAPAN			X
<i>JP</i> 11 - 2 4 8 9 9 6	10/27/95	JAPAN			X
<i>JP</i> 2 6 2 4 5 5 6	09/17/99	JAPAN			X
<i>JP</i> 04/11/97	04/11/97	JAPAN			X
<i>JP</i> 2001 - 2 8 1 5 5 5	10/10/01	JAPAN			
<i>JP</i> 2001 - 3 1 1 8 6 8	11/09/01	JAPAN			
<i>JP</i> 0 1 / 5 2 5 3 1	07/19/01	W.I.P.O.			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JP</i>	1	English Language Abstract of JP 11-248996.
<i>JP</i>	2	English Language Abstract of JP 2001-311868.

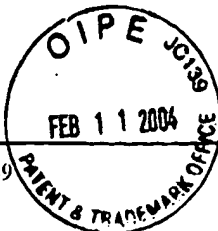
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*Ken Hirunuma*

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<i>JP</i>	2003 /	0	0	7	2	0	9	1	04/17/03	ABE		
<i>JP</i>	2003 /	0	0	6	3	3	8	2	04/03/03	HIRUNUMA et al.		
<i>JP</i>	2003 /	0	0	6	3	3	8	1	04/03/03	ABE		
<i>JP</i>	2003 /	0	0	8	6	1	6	4	05/08/03	ABE		
<i>JP</i>	2003 /	0	0	6	3	2	0	9	04/03/03	ENOMOTO et al.		
<i>JP</i>	2003 /	0	0	6	3	1	8	9	04/03/03	HIRUNUMA et al.		
<i>JP</i>	2003 /	0	0	6	3	3	8	0	04/03/03	HIRUNUMA et al.		
<i>JP</i>	2003 /	0	1	5	1	8	0	7	08/14/03	HIRUNUMA et al.		
<i>JP</i>	2003 /	0	1	5	1	8	0	8	08/14/03	HIRUNUMA et al.		
<i>JP</i>	2003 /	0	1	5	1	6	6	0	08/14/03	HIRUNUMA et al.		
<i>JP</i>	2003 /	0	2	0	2	1	1	8	10/30/03	HURUNUMA et al.		

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